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(FILE 'HOME' ENTERED AT 14:57:21 ON 03 APR 2007)

FILE 'HCAPLUS, HCAOLD, USPATFULL, EPFULL' ENTERED AT 14:57:37 ON 03 APR 2007

| | |
|-----|--|
| L1 | 262 S BECHTEL,H?/AU |
| L2 | 1 S L1 AND (ACTIVE CATALYST OR CATALYST RECOVERY) |
| L3 | 0 S BERTRAM,D/AUI |
| L4 | 29 S BERTRAM,D/AU |
| L5 | 0 S L4 AND (CATALYST RECOVERY OR ACTIVE CATALYST) |
| L6 | 4684 S KLEIN,M?/AU |
| L7 | 1 S L6 AND (ACTIVE CATALYST OR CATALYST RECOVERY) |
| L8 | 0 S WEILER,V/AU |
| L9 | 5665 S RECOVERED CATALYST OR RECOVERING THE CATALYST OR CATALYST REC |
| L10 | 1266 S L9 AND (SOLID CATALYST OR SOLIDIFIED CATALYST OR ACTIVE CATA |
| L11 | 706 S L10 AND (PRECIPITATE? OR PRECIPITATION OR CRYSTALLIZ? OR CRY |
| L12 | 467 S L11 AND (ALCOHOL OR ALKANOL OR DIHYDRIC ALCOHOL OR GLYCOL) |
| L13 | 293 S L12 AND (ALDOL? OR ACETAL? OR ESTER) |
| L14 | 125 S L13 AND (HYDROFORMYLAT? OR OXO PROCESS OR OXO REACTION OR OXO |
| L15 | 90 S L14 AND (HEAVIES OR HIGH BOILER? OR LOW BOILER? OR VOLATILE) |
| L16 | 58 S L15 AND (ETHANOL OR PROPANOL OR METHANOL OR ETHYLENE GLYCOL O |
| L17 | 57 S L16 AND (DISTILLED OR DISTILLING OR DISTILLATION) |
| L18 | 53 S L17 AND (LIGAND OR LIGAND COMPLEX OR FREE LIGAND) |

WEST Search History

DATE: Tuesday, April 03, 2007

| Hide? | <u>Set</u> <u>Name</u> | <u>Query</u> | <u>Hit</u> <u>Count</u> |
|--------------------------|---------------------------|---|----------------------------|
| | | <i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI; PLUR=YES; OP=ADJ</i> | |
| <input type="checkbox"/> | L11 | 19 and (distilling or distillation or distilled) | 53 |
| <input type="checkbox"/> | L10 | 19 and heavies | 2 |
| <input type="checkbox"/> | L9 | 18 and (alcohol or alkanol or dihydric alcohol or glycol) | 57 |
| <input type="checkbox"/> | L8 | 17 and (precipitate\$ or precipitation or crystalliz\$ or crystallis\$) | 57 |
| <input type="checkbox"/> | L7 | 15 and l6 | 69 |
| <input type="checkbox"/> | L6 | solid catalyst or solified catalyst or solid active catalyst | 24322 |
| <input type="checkbox"/> | L5 | l3 and l4 | 312 |
| <input type="checkbox"/> | L4 | recovered catalyst or recovering the catalyst or catalyst recovery or catalyst separation | 6099 |
| <input type="checkbox"/> | L3 | l2 and (metal catalyst or transition metal or rhodium or ruthenium or cobalt) | 3390 |
| <input type="checkbox"/> | L2 | l1 and (aldol or acetal or ester) | 5758 |
| <input type="checkbox"/> | L1 | hydroformylat\$ or oxo process or oxo synthesis or oxo reaction | 11089 |

END OF SEARCH HISTORY

| | Type | L # | Hits | Search Text | DBs |
|---|------|-----|-------------|--|--|
| 1 | IS&R | L1 | 139 | (502/29) .CCLS. | US- PGPUB; USPAT |
| 2 | BRS | L2 | 256233 3 | recovered catalyst or recovering the catalyst or catalyst recovery or catalyst separation | US- PGPUB; USPAT; EPO; JPO; DERWEN T |
| 3 | BRS | L3 | 125 | 11 and 12 | US- PGPUB; USPAT; EPO; JPO; DERWEN T |
| 4 | BRS | L4 | 389274 1 | solid catalyst or solid active catalyst or solidified catalyst | US- PGPUB; USPAT; EPO; JPO; DERWEN T |
| 5 | BRS | L5 | 123 | 13 and 14 | US- PGPUB; USPAT; EPO; JPO; DERWEN T |
| 6 | BRS | L6 | 706706 | precipitated or precipitate or precipitation or crystalliz\$ | US- PGPUB; USPAT; EPO; JPO; DERWEN T |

| | Type | L # | Hits | Search Text | DBs |
|----|------|-----|-------------|---|--|
| 7 | BRS | L7 | 40 | 15 and 16 | US- PGPUB; USPAT; EPO; JPO; DERWEN T |
| 8 | BRS | L8 | 115214 3 | alcohol or alkanol or dihydric alcohol or monhydric alcohol or glycol | US- PGPUB; USPAT; EPO; JPO; DERWEN T |
| 9 | BRS | L9 | 30 | 17 and 18 | US- PGPUB; USPAT; EPO; JPO; DERWEN T |
| 10 | BRS | L10 | 127360 1 | ethanol or methanol or butanol or ethylene glycol or propylene glycol | US- PGPUB; USPAT; EPO; JPO; DERWEN T |
| 11 | BRS | L11 | 26 | 19 and 110 | US- PGPUB; USPAT; EPO; JPO; DERWEN T |
| 12 | IS&R | L12 | 215 | (568/397) .CCLS. | US- PGPUB; USPAT |

| | Type | L # | Hits | Search Text | DBs |
|----|------|-----|-------------|--|--|
| 13 | BRS | L13 | 659658 7 | hydroformylat\$. or oxo process or oxo synthesis or oxo reaction | US- PGPUB; USPAT; EPO; JPO; DERWEN T |
| 14 | BRS | L14 | 118 | l12 and l13 | US- PGPUB; USPAT; EPO; JPO; DERWEN T |
| 15 | BRS | L15 | 954529 | aldol or aldehyde or acetal or ester | US- PGPUB; USPAT; EPO; JPO; DERWEN T |
| 16 | BRS | L16 | 71 | l14 and l15 | US- PGPUB; USPAT; EPO; JPO; DERWEN T |
| 17 | BRS | L17 | 61 | l16 and l4 | US- PGPUB; USPAT; EPO; JPO; DERWEN T |

| | Type | L # | Hits | Search Text | DBs |
|----|------|-----|------|-------------|--|
| 18 | BRS | L18 | 30 | 117 and 16 | US- PGPUB; USPAT; EPO; JPO; DERWEN T |
| 19 | BRS | L19 | 28 | 118 and 18 | US- PGPUB; USPAT; EPO; JPO; DERWEN T |
| 20 | BRS | L20 | 25 | 119 and 110 | US- PGPUB; USPAT; EPO; JPO; DERWEN T |